

Simulation Based Comparative Study Of Eigrp And Ospf For

Hands-on Project Management
 Adaptive Compensation of Nonlinear Actuators for Flight Control Applications
 Comprehensive Healthcare Simulation: Anesthesiology
 Technological Innovation for Applied AI Systems
 Human Factors in the Nuclear Industry
 A Systemic Approach to Safety
 15th European Conference, Aml 2019, Rome, Italy, November 13–15, 2019, Proceedings
 TCAD Simulation-Based Comparative Study on Gate-All-Around, Bulk and SOI FinFETs
 4th International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2017, Gurgaon, India, October 13-14, 2017, Revised Selected Papers
 Micro and Nanoelectronics Devices, Circuits and Systems
 Handbook of Research on Advanced Computational Techniques for Simulation-Based Engineering
 Technological Innovation for Cyber-Physical Systems
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Hands-on Project Management Springer
 Nature
 Innovations and Advances in Computing, Informatics, Systems Sciences, Networking and Engineering This book includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Computer Science, Informatics, and Systems Sciences, and Engineering. It includes selected papers from the conference proceedings of the Eighth and

some selected papers of the Ninth International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CISSE 2012 & CISSE 2013). Coverage includes topics in: Industrial Electronics, Technology & Automation, Telecommunications and Networking, Systems, Computing Sciences and Software Engineering, Engineering Education, Instructional Technology, Assessment, and E-learning. · Provides the latest in a series of books growing out of the International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering; · Includes chapters in the most advanced areas of

Computing, Informatics, Systems Sciences, and Engineering; · Accessible to a wide range of readership, including professors, researchers, practitioners and students.
Adaptive Compensation of Nonlinear Actuators for Flight Control Applications Springer
 Human Factors in the Nuclear Industry: A Systemic Approach to Safety presents the latest research and studies of human factors in the nuclear industry. It models and highlights scientific and technological foundations before providing practical examples of applications within the nuclear facility of human performance at

an individual, group, organization, and system level. Editors Dr. Teperi and Dr. Gotcheva supply concrete models, tools and techniques based on research to provide the reader with knowledge of how to facilitate and support human performance in this dynamic and fast moving safety critical field. Models and case studies are provided to add practical benefits for the reader to apply to their own projects, including user friendly state-of-the-art equipment, fluent work processes for information flow, functional control room resource management, and scope for competence and learning in the work place. This book will benefit nuclear researchers, safety experts, human factors professionals and power plant operators, as well as those with an interest in human factors outside of the nuclear field. Provides a comprehensive framework for human factors, considering not only the individual, but also the team, organizational and industrial levels Presents tried and tested tools and techniques based on research from the nuclear industry Includes models, examples and case studies of user-friendly equipment, fluent work processes and functional control room resource management

Comprehensive Healthcare Simulation: Anesthesiology Springer

This book constitutes the refereed proceedings of the 4th International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2017, held in Gurgaon, India, in October 2017. The 66 revised full papers presented were carefully reviewed and selected from 329 submissions. The papers are organized in topical sections on big data analysis, data centric programming, next generation computing, social and web analytics, security in data science analytics.

Technological Innovation for Applied AI Systems ScholarlyEditions

A Comparative Study of Conventional and Simulation-based Manufacturing Planning and Control Techniques TCAD Simulation-Based Comparative Study on Gate-All-Around, Bulk and SOI FinFETs A Simulation Based Comparative Analysis of Alternatives for Tuition Assistance Organizational Structures

Human Factors in the Nuclear Industry Springer Nature

The papers included in this book were presented at the International Conference "New Technologies, Development and Application," which was held at the Academy of Sciences and Arts of Bosnia and Herzegovina in Sarajevo, Bosnia and Herzegovina on 28th-30th June 2018. The

book covers a wide range of technologies and technical disciplines including complex systems such as: Robotics, Mechatronics Systems, Automation, Manufacturing, Cyber-Physical Systems, Autonomous Systems, Sensors, Networks, Control Systems, Energy Systems, Automotive Systems, Biological Systems, Vehicular Networking and Connected Vehicles, Effectiveness and Logistics Systems, Smart Grids, Nonlinear Systems, Power Systems, Social Systems, and Economic Systems.

A Systemic Approach to Safety Woodhead Publishing

Issues in Materials and Manufacturing Research: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Molecular Modeling. The editors have built Issues in Materials and Manufacturing Research: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Molecular Modeling in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Materials and Manufacturing Research: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

ScholarlyEditions

This book explores various challenging problems and applications areas of wireless sensor networks (WSNs), and identifies the current issues and future research challenges. Discussing the latest developments and advances, it covers all aspects of in WSNs, from architecture to protocols design, and from algorithm development to synchronization issues. As such the book is an essential reference resource for undergraduate and postgraduate students as well as scholars and academics working in the field.

15th European Conference, Aml 2019, Rome, Italy, November 13-15, 2019, Proceedings TECHNO FORUM R&D CENTRE

This pragmatic book is a guide for the use of simulation in surgery and surgical subspecialties, including general surgery, urology, gynecology, cardiothoracic and vascular surgery, orthopedics, ophthalmology, and otolaryngology. It

offers evidence-based recommendations for the application of simulation in surgery and addresses procedural skills training, clinical decision-making and team training, and discusses the future of surgical simulation. Readers are introduced to the different simulation modalities and technologies used in surgery with a variety of learners including students, residents, practicing surgeons, and other health-related professionals.

TCAD Simulation-Based Comparative Study on Gate-All-Around, Bulk and SOI FinFETs Springer

Recent developments in information processing systems have driven the advancement of computational methods in the engineering realm. New models and simulations enable better solutions for problem-solving and overall process improvement. The Handbook of Research on Advanced Computational Techniques for Simulation-Based Engineering is an authoritative reference work representing the latest scholarly research on the application of computational models to improve the quality of engineering design. Featuring extensive coverage on a range of topics from various engineering disciplines, including, but not limited to, soft computing methods, comparative studies, and hybrid approaches, this book is a comprehensive reference source for students, professional engineers, and researchers interested in the application of computational methods for engineering design.

4th International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2017, Gurgaon, India, October 13-14, 2017, Revised Selected Papers Springer

This master thesis addresses the effect of materials and security systems used in high-rise office buildings have on the evolution and spreading of fire. The first part of the thesis is a brief introduction to the nature of fire, how and why fire can develop. Also are described the three elements of triangle of fire (hazards of materials, sources of oxidants and sources of heat energy) as well as the effects of fire on people and the evolution of construction of high-rise buildings. In the second part of the thesis, are performed the simulations with different configurations and situations using the simulation tool FDS 5.2.0. Each simulation has a simulation report which explains what, how and why is happening in the simulation. The third and last part of the thesis is performed the analysis and comparisons between some cases with the aim of draw conclusions about the influence of materials and security

systems in the evolution and spreading of fire.

Micro and Nanoelectronics Devices, Circuits and Systems Springer Science & Business Media

This book provides a basic understanding of adaptive control and its applications in Flight control. It discusses the designing of an adaptive feedback control system and analyzes this for flight control of linear and nonlinear aircraft models using synthetic jet actuators. It also discusses control methodologies and the application of control techniques which will help practicing flight control and active flow control researchers. It also covers modelling and control designs which will also benefit researchers from the background of fluid mechanics and health management of actuation systems. The unique feature of this book is characterization of synthetic jet actuator nonlinearities over a wide range of angles of attack, an adaptive compensation scheme for such nonlinearities, and a systematic framework for feedback control of aircraft dynamics with synthetic jet actuators.

Handbook of Research on Advanced Computational Techniques for Simulation-Based Engineering Springer

This book constitutes the refereed proceedings of the 15th European Conference on Ambient Intelligence, Aml 2019, held in Rome, Italy, in November 2019. The 20 full papers presented together with 10 short papers were carefully reviewed and selected from 50 submissions. The papers cover topics such as embedded devices that can merge unobtrusively and in natural ways using information and intelligence hidden in the network connecting these devices (e.g., the Internet of Things). The main topic of Aml 2019 was "Data-driven Ambient Intelligence," which follows the vision of Calm Technology, where technology is useful but does not demand our full attention or interfere with our usual behavior and activities.

Technological Innovation for Cyber-Physical Systems Springer Nature

The Department of Statistical Sciences of the University of Bologna in collaboration with the Department of Management and Engineering of the University of Padova, the Department of Statistical Modelling of Saint Petersburg State University, and INFORMS Simulation Society sponsored the Seventh Workshop on Simulation. This international conference was devoted to statistical techniques in stochastic simulation, data collection, analysis of scientific experiments, and studies representing broad areas of interest. The

previous workshops took place in St. Petersburg, Russia in 1994, 1996, 1998, 2001, 2005, and 2009. The Seventh Workshop took place in the Rimini Campus of the University of Bologna, which is in Rimini's historical center.

Innovations and Advances in Computing, Informatics, Systems Sciences, Networking and Engineering Springer Nature

This book describes the growing field of multi-criteria decision making (MCDM) as applied to materials selection in product design. Useful in academic and research contexts, as well as to practitioners in materials engineering and design, it aids readers in producing successful designs by improving the decision-making process in materials selection. It is a constant challenge for designers, even when educated in the fundamentals of materials and mechanical engineering, to select the best materials to satisfy complex design problems. Current approaches to materials selection range from the use of intuition and experience to computer-based methods including electronic databases and search engines. Increasingly, MCDM methods are proving effective in materials selection for complex design problems. These methods supplement existing quantitative methods, such as selection charts, by allowing simultaneous consideration of design attributes, component configurations and types of material. Discusses the rationale for optimal materials selection in the context of achieving the best engineering design. Describes methodologies for supporting enhanced decision-making in materials selection. Includes end-of-chapter review questions and practical case studies from biomedical and aerospace engineering applications.

A New Programming Approach for Robot-based Flexible Inspection systems World Scientific Publishing Company

The book presents select proceedings of the International Conference on Micro and Nanoelectronics Devices, Circuits and Systems (MNDCS-2021). The volume includes cutting-edge research papers in the emerging fields of micro and nanoelectronics devices, circuits, and systems from experts working in these fields over the last decade. The book is a unique collection of chapters from different areas with a common theme and will be immensely useful to academic researchers and practitioners in the industry who work in this field.

Simulation in Design Butterworth-Heinemann

Teaching project management is not an easy task. Part of the difficulty is the one-of-a-kind nature of projects. This book and

the software that comes with it (Project Team Builder) present a unique approach to the teaching and training of project management — an approach based on a software tool that combines an interactive, dynamic case study and a simple yet effective Project Management System. The book focuses on problems that the project manager faces in planning, monitoring and controlling projects. Together with the software, the book provides the user with the opportunity to experience complex Project Management situations, understand the situation, develop alternative ways to cope with it and select the best alternative based on rigorous analysis. Project Team Builder (PTB), the software that accompanies this book, is web-based, please visit <http://www.sandboxmodel.com>.

Data Science and Analytics Springer

This book constitutes the refereed proceedings of the 12th IFIP WG 5.5/SOCOLNET Advanced Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2021, held in Costa de Caparica, Portugal, in July 2021.* The 34 papers presented were carefully reviewed and selected from 92 submissions. The papers present selected results produced in engineering doctoral programs and focus on technological innovation for industry and service systems. Research results and ongoing work are presented, illustrated and discussed in the following areas: collaborative networks; smart manufacturing; cyber-physical systems and digital twins; intelligent decision making; smart energy management; communications and electronics; classification systems; smart healthcare systems; and medical devices. *The conference was held virtually.

Simulation-Based Comparison of Methods for Meta-Analysis of

Proportions and Rates Springer Nature
Issues in Nursing Research, Training, and Practice: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Nurse Practitioners. The editors have built Issues in Nursing Research, Training, and Practice: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Nurse Practitioners in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Nursing Research, Training, and Practice: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions,

and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. *Proceedings of International Conference on Cloud Computing and eGovernance (ICCCEG 2012)* Springer

This book constitutes the refereed proceedings of the 7th IFIP WG 5.5/SOCOLNET Advanced Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2016, held in Costa de Caparica, Portugal, in April 2016. The 53 revised full papers were carefully reviewed and selected from 112 submissions. The papers present selected results produced in engineering doctoral

programs and focus on research, development, and application of cyber-physical systems. Research results and ongoing work are presented, illustrated and discussed in the following areas: enterprise collaborative networks; ontologies; Petri nets; manufacturing systems; biomedical applications; intelligent environments; control and fault tolerance; optimization and decision support; wireless technologies; energy: smart grids, renewables, management, and optimization; bio-energy; and electronics.

Technological Innovation for Life

Improvement utzverlag GmbH

The military services have experienced enormous downsizing efforts in the last decade, With these initiatives, organizations have had to derive innovative ways to meet their objectives with fewer resources. An organization's

structure is an avenue to address these challenges within the atmosphere of a shrinking capital budget. Organizational structure changes can affect every aspect of the organization. Such an impact suggests proposals for drastic organizational changes must meet the rigors of a full analysis. The intent of this research is to provide a comprehensive analysis of centralization options for Air Force Tuition Assistance efforts. This thesis effort involves the development and subsequent analysis of multiple simulation models. The models provide insight into whether or not centralization will produce savings in processing times, manpower, and cost. Results show that centralization will positively impact the Tuition Assistance organization in meeting their objectives while allowing the Air Force to take advantage of efficiencies through technological advancements.

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